Amendments to the Claims

The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently amended) A method of interfacing to a system comprising:

receiving speech input data from a user;

identifying a language spoken by the user from the speech input data;

converting the speech input data into a first text in the identified language by recognizing the user's speech in the speech input data based at least in part on the language identifier;

parsing the first text to extract keywords;

automatically translating the keywords into a plurality of automatically selected languages other than the identified language;

using the translated keywords as a command to an application;

receiving results to the command;

automatically summarizing the results;

converting the summarized results into a second text in a natural language format according to the language spoken by the user; and

rendering the second text for perception by the user.

2. (Cancelled)

1   3. (Original) The method of claim 1, wherein rendering comprises converting the

2   second text into speech and rendering the speech to the user.

1   4. (Cancelled)

1   5. (Previously presented) The method of claim 1, further comprising using the

2   keywords as a search query to at least one search engine, wherein the results comprise

3   search results from the at least one search engine operating on the search query.

1   6. (Cancelled)

1   7. (Previously presented)   The method of claim 1, further comprising

2   automatically translating the keywords into a plurality of automatically selected

3   languages other than the identified language and using the translated keywords as a

4   search query to at least one search engine in multiple languages, wherein the results

5   comprise search results in multiple languages from the at least one search engine

6   operating on the search query.

1   8. (Previously presented)   The method of claim 7, further comprising

2   automatically translating search results in languages other than the language spoken by

3   the user into the language spoken by the user.

1   9. (Original) The method of claim 1, wherein the application comprises a web

2   browser.

1   10. (Previously presented) The method of claim 9, wherein the web browser

2   interfaces with at least one search engine and the command comprises a search query.

1   11. (Original) The method of claim 9, wherein the web browser interfaces with a

2   shopping web site and the command comprises at least one of a purchase order and a

3   request for product information.

1   12. (Original) The method of claim 1, wherein the speech comprises

2   conversational speech.

1   13. (Currently amended) An article comprising: a storage medium having a

2   plurality of machine readable instructions, wherein when the instructions are executed

3   by a processor, the instructions provide for interfacing to a system by receiving speech

4   input data from a user, identifying a language spoken by the user from the speech input

5   data, converting the speech input data into a first text in the identified language by

6   recognizing the user's speech in the speech input data based at least in part on the

7   language identifier, parsing the first text to extract keywords, automatically translating

8   the keywords into a plurality of automatically selected languages other than the

9   identified language, using the translated keywords as a command to an application,

10   receiving results to the command, ~~automatically summarizing the results,~~ converting the

11   ~~summarized~~ results into a second text in a natural language format according to the

12   language spoken by the user, and rendering the second text for perception by the user.

1   14. (Cancelled)

1   15. (Original) The article of claim 13, wherein instructions for rendering comprise

2   instructions for converting the second text into speech and rendering the speech to the

3   user.

1   16. (Cancelled)

1   17. (Previously presented) The article of claim 13, further comprising instructions

2   for using the keywords as a search query to at least one search engine, wherein the

3   results comprise search results from the at least one search engine operating on the

4   search query.

1   18. (Cancelled)

1   19. (Previously presented) The article of claim 13, further comprising instructions

2   for automatically translating the keywords into a plurality of automatically selected

3   languages other than the identified language and using the translated keywords as a

4   search query to at least one search engine in multiple languages, wherein the results

5   comprise search results in multiple languages from the at least one search engine

6   operating on the search query.

1   20. (Previously presented) The article of claim 19, further comprising instructions

2   for automatically translating search results in languages other than the language spoken

3   by the user into the language spoken by the user.

1   21. (Original) The article of claim 13, wherein the application comprises a web

2   browser.

1   22. (Previously presented) The article of claim 21, wherein the web browser

2   interfaces with at least one search engine and the command comprises a search query.

1   23. (Original) The article of claim 21, wherein the web browser interfaces with a

2   shopping web site and the command comprises at least one of a purchase order and a

3   request for product information.

1   24. (Original)   The article of claim 13, wherein the speech comprises

2   conversational speech.

1   25. (Currently amended) A language independent speech based user interface

2   system comprising:

3   a language identifier to receive speech input data from a user and to identify the

4   language spoken by the user;

5   at least one speech recognizer to receive the speech input data and the

6   language identifier and to convert the speech input data into a first text based at least in

7   part on the language identifier;

8   at least one natural language processing module to parse the first text to extract

9   keywords;

10   ~~at least one summarization module to automatically summarize the search~~

11   ~~results from at least one search engine operating on the search query using the~~

12   ~~extracted keywords; and~~

13   at least one language translator to automatically translate the keywords into a

14   plurality of automatically selected languages other than the identified language for use

15   as a command to an application, and to translated results to the command in languages

16   other than a language spoken by the user to the language spoken by the user; and

17   at least one natural language generator to convert the ~~summarized~~ results into a

18   second text in a natural language format according to the language spoken by the user.

1   26. (Original) The system of claim 25, further comprising at least one text to

2   speech module to render the second text audibly to the user.

1   27. (Currently amended) The system of claim 25, further comprising at least one

2   language translator to automatically translate the keywords into a plurality of

3   automatically selected languages for use as ~~the~~ a search query, ~~and to receive results~~

4   ~~from the search engine~~ and <u>to</u> automatically translate ~~the~~ search results in languages

5   other than the language spoken by the user into the language spoken by the user prior

6   to summarizing the translated results and converting the summarized results into the

7   second text in a natural language format.

1   28. (Cancelled)

1   29. (Original) The system of claim 25, wherein the system is coupled to a web

2   browser.

1   30. (Previously presented) The system of claim 29, wherein the web browser

2   interfaces with at least one search engine, the keyword comprises a search query, and

3   the second text comprises search results from the at least one search engine.

1   31. (Cancelled)

1   32. (Previously presented) The system of claim 29, wherein the web browser

2   interfaces with a shopping web site and the command comprises at least one of a

3   purchase order and a request for product information.

1   33. (Currently amended) A language independent speech based search system

2   comprising:

3   a language identifier to receive speech input data from a user and to identify the

4 language spoken by the user;

5   at least one speech recognizer to receive the speech input data and the

6 language identifier and to convert the speech input data into a first text based at least in

7 part on the language identifier;

8   at least one natural language processing module to parse the first text to extract

9 keywords;

10   at least one search engine to use the keywords as a search term and to return

11 search results;

12   at least one language translator to automatically translate the keyword into a

13 plurality of automatically selected languages prior to input to the at least one search

14 engine to search across multiple languages, ~~to receive results from the search engine,~~

15 and to automatically translate ~~the~~ search results in languages other than the language

16 spoken by the user into the language spoken by the user;

17   at least one automatic summarization module to automatically summarize the

18 translated search results;

19   at least one natural language generator to convert the summarized results into a

20 second text in a natural language format according to the language spoken by the user.

1   .   34. (Cancelled)

1   35. (Original) The system of claim 33, further comprising at least one text to

2 speech module to render the second text audibly to the user.

1   36. (New) The method of claim 1, further comprising automatically summarizing

2   the results prior to converting the results to the second text.

1   37. (New)   The article of claim 13, further comprising instructions for

2   automatically summarizing the results prior to converting the results to the second text.

1   38. (New) The system of claim 25, further comprising at least one automatic

2   summarization module to automatically summarize the second text prior to converting

3   the second text into the natural language format.